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 NEWS  3  FEB 27   New STN AnaVist pricing effective March 1, 2006
 NEWS  4  APR 04   STN AnaVist $500 visualization usage credit offered
 NEWS  5  MAY 10   CA/CAplus enhanced with 1900-1906 U.S. patent records
 NEWS  6  MAY 11   KOREAPAT updates resume
 NEWS  7  MAY 19   Derwent World Patents Index to be reloaded and enhanced
 NEWS  8  MAY 30   IPC 8 Rolled-up Core codes added to CA/CAplus and
                   USPATFULL/USPAT2
 NEWS  9  MAY 30   The F-Term thesaurus is now available in CA/CAplus
 NEWS 10  JUN 02   The first reclassification of IPC codes now complete in
                   INPADOC
 NEWS 11  JUN 26   TULSA/TULSA2 reloaded and enhanced with new search and
                   and display fields
 NEWS 12  JUN 28   Price changes in full-text patent databases EPFULL and PCTFULL
 NEWS 13  JUl 11   CHEMSAFE reloaded and enhanced
 NEWS 14  JUl 14   FSTA enhanced with Japanese patents
 NEWS 15  JUl 19   Coverage of Research Disclosure reinstated in DWPI
 NEWS 16  AUG 09   INSPEC enhanced with 1898-1968 archive

 NEWS EXPRESS  JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT
               MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

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FILE 'HOME' ENTERED AT 11:38:26 ON 28 AUG 2006

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY     SESSION
FULL ESTIMATED COST                                    0.21        0.21

FILE 'REGISTRY' ENTERED AT 11:38:48 ON 28 AUG 2006
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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 27 AUG 2006 HIGHEST RN 904741-41-9
DICTIONARY FILE UPDATES: 27 AUG 2006 HIGHEST RN 904741-41-9

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REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

```
=> e 4-(4-fluorobenzoyl)butyric acid/cn
E1            1     4-(4-FLUOROBENZOYL)-N-(PYRIDIN-4-YL)BENZAMIDE/CN
E2            1     4-(4-FLUOROBENZOYL)BENZOIC ACID/CN
E3            1 --> 4-(4-FLUOROBENZOYL)BUTYRIC ACID/CN
E4            1     4-(4-FLUOROBENZOYL)ISOPHTHALIC ACID/CN
E5            1     4-(4-FLUOROBENZOYL)ISOXAZOLE-3-CARBOXYLIC ACID ETHYL ESTER/C
                    N
E6            1     4-(4-FLUOROBENZOYL)PERHYDROAZEPINE/CN
E7            1     4-(4-FLUOROBENZOYL)PIPERIDINE/CN
E8            1     4-(4-FLUOROBENZOYL)PIPERIDINE HYDROCHLORIDE/CN
E9            1     4-(4-FLUOROBENZOYL)PIPERIDINE-1-CARBOXYLIC ACID TERT-BUTYL E
                    STER/CN
E10           1     4-(4-FLUOROBENZOYL)PIPERIDINIUM TOSYLATE/CN
E11           1     4-(4-FLUOROBENZOYL)PYRIDINE/CN
E12           1     4-(4-FLUOROBENZOYLAMINO)-2-METHYL-5-PROPYL-2H-PYRAZOLE-3-CAR
                    BOXAMIDE/CN

=> s d3
L1       30907 D3

=> d l1

L1   ANSWER 1 OF 30907  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   904003-10-7  REGISTRY
ED   Entered STN:  23 Aug 2006
CN   Silane, dichloromethylmethyl-d3-, homopolymer (9CI)  (CA INDEX
     NAME)
MF   (C2 H3 Cl2 D3 Si)x
CI   PMS
PCT  Polyother, Polyother only
SR   CA
LC   STN Files:   CAPLUS

     CM   1

     CRN  227780-66-7
     CMF  C2 H3 Cl2 D3 Si
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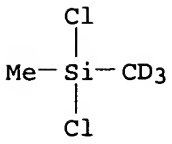

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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=> s e3
L2            1 "4-(4-FLUOROBENZOYL)BUTYRIC ACID"/CN

=> d l2

L2   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   149437-76-3  REGISTRY
ED   Entered STN:  20 Aug 1993
CN   Benzenepentanoic acid, 4-fluoro-δ-oxo- (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   4-(4-Fluorobenzoyl)butyric acid
CN   5-(4-Fluorophenyl)-5-oxopentanoic acid
FS   3D CONCORD
MF   C11 H11 F O3
SR   CA
LC   STN Files:   CA, CAPLUS, CASREACT, CHEMCATS, CSCHEM, SYNTHLINE, TOXCENTER,
       USPATFULL
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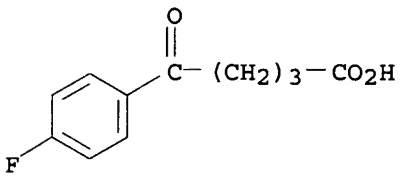

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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

              16 REFERENCES IN FILE CA (1907 TO DATE)
              16 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> e glutaric anhydride/cn
E1            1     GLUTARIC ACID-TRIMETHYLENEDIAMINE COPOLYMER/CN
E2            1     GLUTARIC ACID-TRIMETHYLENEDIAMINE COPOLYMER, SRU/CN
E3            1 --> GLUTARIC ANHYDRIDE/CN
E4            1     GLUTARIC ANHYDRIDE, A,B,Γ-TRIMETHOXY-/CN
E5            1     GLUTARIC ANHYDRIDE, A-(1-CARBOXY-3-METHYLCYCLOHEXYL)-/
                    CN
E6            1     GLUTARIC ANHYDRIDE, A-(1-CARBOXY-4-METHYLCYCLOHEXYL)-,
                     ETHYL ESTER/CN
E7            1     GLUTARIC ANHYDRIDE, A-BROMO-Γ-CINNAMAL-B-KE
                    TO-/CN
E8            1     GLUTARIC ANHYDRIDE, A-CYANO-A-METHYL-B-PHEN
                    YL-/CN
E9            1     GLUTARIC ANHYDRIDE, A-ETHYL-B,B-DIMETHYL-/CN
E10           1     GLUTARIC ANHYDRIDE, A-ETHYL-B-PHENOXYMETHYL-/CN
E11           1     GLUTARIC ANHYDRIDE, A-METHYL-Γ-METHYLENE-/CN
E12           1     GLUTARIC ANHYDRIDE, B,B-BIS(3-METHYL-P-PHENETYL)-/
                    CN

=> s e3
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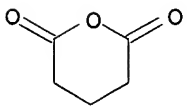
L3 1 "GLUTARIC ANHYDRIDE"/CN

=> d l3

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
RN 108-55-4 REGISTRY
ED Entered STN: 16 Nov 1984
CN 2H-Pyran-2,6(3H)-dione, dihydro- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Glutaric anhydride (6CI, 7CI, 8CI)
OTHER NAMES:
CN Dihydro-2H-pyran-2,6(3H)-dione
CN Dihydro-3H-Pyran-2,6-dione
CN Dihydropyran-2,6-dione
CN Glutaric acid anhydride
CN NSC 16640
CN Pentanedioic acid anhydride
CN Pentanedioic anhydride
CN Pyroglutaric acid
FS 3D CONCORD
MF C5 H6 O3
CI COM
LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DDFU, DETHERM*, DRUGU, IFICDB, IFIPAT, IFIUDB, MEDLINE, MSDS-OHS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1814 REFERENCES IN FILE CA (1907 TO DATE)
127 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1819 REFERENCES IN FILE CAPLUS (1907 TO DATE)
29 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	22.62	22.83

FILE 'CAPLUS' ENTERED AT 11:42:22 ON 28 AUG 2006
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FILE LAST UPDATED: 27 Aug 2006 (20060827/ED)

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=> s l2/prep
            16 L2
       3517569 PREP/RL
L4            7 L2/PREP
                (L2 (L) PREP/RL)

=> s l4 and l3
          1819 L3
L5            7 L4 AND L3

=> d l5 ibib ab hitstr 1-7
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L5 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2006:606675 CAPLUS
DOCUMENT NUMBER: 145:62721
TITLE: Process for the synthesis of azetidinones
INVENTOR(S): Thiruvengadam, Tiruvettipuram K.; Chiu, John S.; Fu, Xiaoyong; McAllister, Timothy L.
PATENT ASSIGNEE(S): Schering Corp., USA
SOURCE: U.S. Pat. Appl. Publ., 25 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2006135755	A1	20060622	US 2005-305926	20051219
WO 2006068990	A1	20060629	WO 2005-US45901	20051219

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: US 2004-637594P P 20041220
OTHER SOURCE(S): CASREACT 145:62721

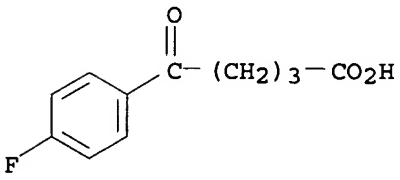
AB A process was provided for preparing azetidinone, such as I, which are useful as intermediates in the synthesis of penems and as hypocholesterolemic agents. The process comprised reacting a β-(substituted-amino)amide, a β-(substituted-amino)acid ester, or a β-(substituted-amino)thiolcarbonic acid ester with a silylating agent and a cyclizing agent selected from the group consisting of alkali metal carboxylates, quaternary ammonium carboxylates, quaternary ammonium hydroxides, quaternary ammonium alkoxides, quaternary ammonium aryloxides and hydrates thereof, or the reaction product of: (i) at least one quaternary ammonium

halide and at least one alkali metal carboxylate; or (ii) at least one quaternary ammonium chloride, quaternary ammonium bromide, or quaternary ammonium iodide and at least one alkali metal fluoride, wherein a quaternary ammonium moiety of the cyclizing agent is unsubstituted or substituted by one to four groups independently selected from the group consisting of alkyl, arylalkyl and arylalkyl-alkyl.

IT 149437-76-3P
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(process for asym. synthesis of azetidinones employing an oxazolidinone chiral auxiliary and a stereoselective ketone reduction/intramol. lactamization reaction sequence)

RN 149437-76-3 CAPLUS

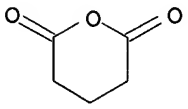
CN Benzenepentanoic acid, 4-fluoro-δ-oxo- (9CI) (CA INDEX NAME)



IT 108-55-4, Glutaric anhydride
RL: RCT (Reactant); RACT (Reactant or reagent)
(process for asym. synthesis of azetidinones employing an oxazolidinone chiral auxiliary and a stereoselective ketone reduction/intramol. lactamization reaction sequence)

RN 108-55-4 CAPLUS

CN 2H-Pyran-2,6(3H)-dione, dihydro- (9CI) (CA INDEX NAME)



L5 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:333300 CAPLUS

DOCUMENT NUMBER: 144:350532

TITLE: Preparation of azetidinone derivatives for medical use

INVENTOR(S): Campbell, David A.; Betancort, Juan; Karanewsky, Donald S.

PATENT ASSIGNEE(S): Phenomix Corporation, USA

SOURCE: PCT Int. Appl., 38 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006017257	A2	20060216	WO 2005-US24624	20050711

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: US 2004-587329P P 20040712

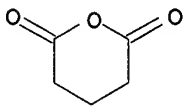
OTHER SOURCE(S): CASREACT 144:350532; MARPAT 144:350532

AB Novel azetidinone-containing compds. are useful in the treatment or prevention of various human diseases. For example, they can be employed in lowering plasma levels of a sterol, such as cholesterol. Thus, these compds. can be administered in the contexts of methods for treating and/or preventing diabetes, obesity, and atherosclerosis, resp. E.g. I and its 7-substituted isomer were prepared from Et 5-(4-fluorophenyliminomethyl)-2,3-dihydrobenzofuran-3-ylacetate and it 7-substituted isomer reaction with 5-(4-fluorophenyl)pentanoyl chloride. The compound were evaluated for cholesterol lowering activity in hamsters.

IT 108-55-4, Glutaric anhydride
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of azetidinone derivs. for medical use)

RN 108-55-4 CAPLUS

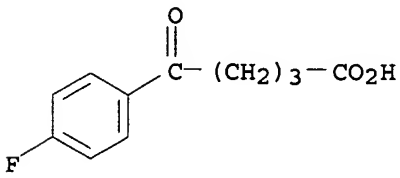
CN 2H-Pyran-2,6(3H)-dione, dihydro- (9CI) (CA INDEX NAME)



IT 149437-76-3P, 5-(4-Fluorophenyl)-5-oxopentanoic acid
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of azetidinone derivs. for medical use)

RN 149437-76-3 CAPLUS

CN Benzenepentanoic acid, 4-fluoro-δ-oxo- (9CI) (CA INDEX NAME)



L5 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:996117 CAPLUS

DOCUMENT NUMBER: 141:410807

TITLE: Process for the preparation of trans-isomers of diphenylazetidinone derivatives

INVENTOR(S): Karooti, Kiran Kumar Ganagakhedkar Shubham; Rathod, Parendu Dhirajlal; Aryan, Ram Chander; Kumar, Yatendra

PATENT ASSIGNEE(S): Ranbaxy Laboratories Limited, India

SOURCE: PCT Int. Appl., 18 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004099132	A2	20041118	WO 2004-IB1396	20040505

WO 2004099132 A3 20050324
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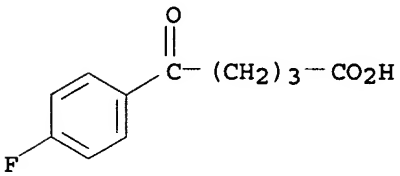
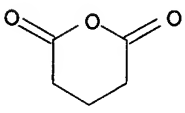
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
EP 1626954 A2 20060222 EP 2004-731224 20040505
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR
CN 1805926 A 20060719 CN 2004-80016256 20040505
PRIORITY APPLN. INFO.: IN 2003-DE668 A 20030505
WO 2004-IB1396 W 20040505
OTHER SOURCE(S): CASREACT 141:410807; MARPAT 141:410807

AB The invention relates to processes for the preparation of trans-isomers of diphenylazetidinone derivs. I (R1, R2 = independently H, halo, alkoxy; R3 = H, alkyl, HO-protecting group), which comprise the reaction of a chiral delta-lactone of formula II with a diphenylimine of formula III in the presence of a base. For example, reaction of fluorobenzene with glutaric anhydride (85%), followed by Me esterification (80%) and cyclization using (-)-DIP-Cl (75&), gave chiral II (R1 = F). Reaction of II with 4-benzyloxybenzylidene-4-fluoroaniline, III (R2 = F, R3 = Bn), gave trans-isomer I (R1 = R2 = F, R3 = Bn) in 65% yield. After deprotection of benzyl group and recrystn., Ezetimibe, I (R1 = R2 = F, R3 = H), was given. The invention also relates to pharmaceutical compns. that include the trans-isomers of diphenylazetidinone derivs.

IT 149437-76-3P, 4-(4-Fluorobenzoyl)butyric acid
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of trans-isomers of diphenylazetidinone derivs. by reduction of delta-lactones with diphenylimines)
RN 149437-76-3 CAPLUS
CN Benzenepentanoic acid, 4-fluoro-δ-oxo- (9CI) (CA INDEX NAME)



IT 108-55-4, Glutaric anhydride
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of trans-isomers of diphenylazetidinone derivs. by reduction of delta-lactones with diphenylimines)
RN 108-55-4 CAPLUS
CN 2H-Pyran-2,6(3H)-dione, dihydro- (9CI) (CA INDEX NAME)



L5 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:991470 CAPLUS
DOCUMENT NUMBER: 140:41907
TITLE: Process for the preparation of 4-(4-fluorobenzoyl)butyric acid from fluorobenzene and glutaric anhydride
INVENTOR(S): Pulla Reddy, Muddasani
PATENT ASSIGNEE(S): Natco Pharma Limited, India; Venkaiah, Chowdary Nannapaneni
SOURCE: PCT Int. Appl., 16 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

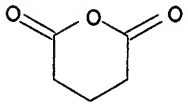
PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2003104180	A1	20031218	WO 2003-IN159		20030416
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
AU 2003237593	A1	20031222	AU 2003-237593		20030416
US 2005250961	A1	20051110	US 2005-516770		20050624
PRIORITY APPLN. INFO.:			IN 2002-MA427	A	20020605
			WO 2003-IN159	W	20030416

OTHER SOURCE(S): CASREACT 140:41907

AB 4-(4-Fluorobenzoyl)butyric acid (I), a pharmaceutical intermediate, is prepared in high yield and selectivity by: (A) preparing a solution of fluorobenzene, a halogenated solvent (e.g., methylene chloride), and glutaric anhydride where a fluorobenzene-glutaric anhydride molar ratio of 0.5-0.7 is used; (B) preparing a solution of aluminum chloride, fluorobenzene, and halogenated solvent having a fluorobenzene-glutaric anhydride molar ratio of 0.5-0.6; (C) mixing the step (A) and (B) solns. together at 10-25°; (D) maintaining the reaction mixture at 10-25° for 2-4 h; (E) pouring the reaction mixture into cold, dilute HCl; (F) distilling off the halogenated solvent at atmospheric pressure; (G) filtering and washing the residue with the same halogenated solvent to obtain I; (H) dissolving the I in aqueous base (e.g., aqueous sodium hydroxide)and precipitating the I by acidification after treating the basic solution with activated carbon; (I) filtering the purified I; and (J) recrystg. the purified I from suitable solvents.

IT 108-55-4, Glutaric anhydride
RL: RCT (Reactant); RACT (Reactant or reagent)
(process for the preparation of 4-(4-fluorobenzoyl)butyric acid from fluorobenzene and glutaric anhydride)

RN 108-55-4 CAPLUS
CN 2H-Pyran-2,6(3H)-dione, dihydro- (9CI) (CA INDEX NAME)

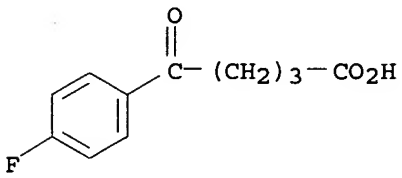


IT 149437-76-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
(process for the preparation of 4-(4-fluorobenzoyl)butyric acid from fluorobenzene and glutaric anhydride)

RN 149437-76-3 CAPLUS

CN Benzenepentanoic acid, 4-fluoro-δ-oxo- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2001:396844 CAPLUS

DOCUMENT NUMBER: 135:19550

TITLE: Preparation of indole derivatives as IL-8 receptor antagonists

INVENTOR(S): Paquet, Jean-luc; Barth, Martine; Pruneau, Didier; Dodey, Pierre

PATENT ASSIGNEE(S): Fournier Industrie Et Sante, Fr.

SOURCE: PCT Int. Appl., 39 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

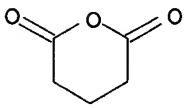
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001038305	A2	20010531	WO 2000-FR3278	20001124
WO 2001038305	A3	20020124		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
FR 2801585	A1	20010601	FR 1999-14837	19991125
FR 2801585	B1	20020215		
CA 2392225	AA	20010531	CA 2000-2392225	20001124
BR 2000015695	A	20020723	BR 2000-15695	20001124
EP 1232144	A2	20020821	EP 2000-985320	20001124
EP 1232144	B1	20040331		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
JP 2003514894	T2	20030422	JP 2001-539861	20001124
AT 263150	E	20040415	AT 2000-985320	20001124
ES 2218266	T3	20041116	ES 2000-985320	20001124
NZ 519126	A	20060331	NZ 2000-519126	20001124
US 6605633	B1	20030812	US 2002-130454	20020516
NO 2002002460	A	20020524	NO 2002-2460	20020524
PRIORITY APPLN. INFO.:			FR 1999-14837 A	19991125
			WO 2000-FR3278 W	20001124

OTHER SOURCE(S): MARPAT 135:19550

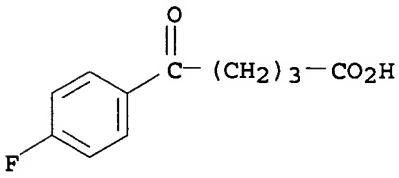
AB Indole derivs. I [X = C:C, S; R1 = halo, nitro, CF3, C1-C3 alkyl; R2-R4 =

H, halo, C1-C3 alkyl, nitro, CF3, cyano, R2 and R3 together form with the aromatic ring a condensed aromatic cycle; n = 2, 3], IL-8 receptor antagonists, were prepared E.g., reaction of chlorophenylhydrazine with Et δ-oxobenzenepentanoate gave 5-chloro-2-phenyl-1H-indole-3-propanoic acid. At a concentration of 10 μM, I inhibited the bonding of [125I]-IL-8 with receptor CXCR2.

IT 108-55-4, Glutaric anhydride
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of indole derivs. as IL-8 receptor antagonists)
RN 108-55-4 CAPLUS
CN 2H-Pyran-2,6(3H)-dione, dihydro- (9CI) (CA INDEX NAME)



IT 149437-76-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of indole derivs. as IL-8 receptor antagonists)
RN 149437-76-3 CAPLUS
CN Benzenepentanoic acid, 4-fluoro-δ-oxo- (9CI) (CA INDEX NAME)



L5 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:224399 CAPLUS
DOCUMENT NUMBER: 134:252201
TITLE: Process for the synthesis of azetidinones
INVENTOR(S): Thiruvengadam, Tiruvettipuram K.; Fu, Xiaoyong; Tann, Chou-hong; Mcallister, Timothy L.; Chiu, John S.; Colon, Cesar
PATENT ASSIGNEE(S): Schering Corporation, USA
SOURCE: U.S., 12 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

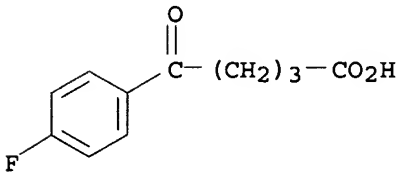
PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 6207822	B1	20010327	US 1999-455482		19991205
PRIORITY APPLN. INFO.:			US 1998-111249P	P	19981207

OTHER SOURCE(S): CASREACT 134:252201; MARPAT 134:252201
AB This invention provides a process for preparing the hypocholesterolemic compound I (R = H) from p-fluorobenzoylbutyric and pivaloyl chloride via intermediates II and III. Thus, reaction of p-fluorobenzoylbutyric acid with pivaloyl chloride and acylating the product with a chiral auxiliary gave ketone II. II is reduced with BH3·Me2S in the presence of a chiral pyrrolooxazaborolidine catalyst to an alc., which was treated with p-FC6H4N:CHC6H4OH-p, followed by silylation, to give the β-(substituted-amino)amide III. III was cyclized with

tetrabutylammonium fluoride to obtain the protected lactam I (R = TMS), which was deprotected to give I (R = H).

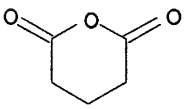
IT 149437-76-3P
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(process for the synthesis of azetidinones)

RN 149437-76-3 CAPLUS
CN Benzenepentanoic acid, 4-fluoro-δ-oxo- (9CI) (CA INDEX NAME)



IT 108-55-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(process for the synthesis of azetidinones)

RN 108-55-4 CAPLUS
CN 2H-Pyran-2,6(3H)-dione, dihydro- (9CI) (CA INDEX NAME)



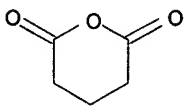
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1993:517066 CAPLUS
DOCUMENT NUMBER: 119:117066
TITLE: Synthesis of 2,5-substituted piperidines: transposition of 1,4-substitution pattern for the analgesic drug R6582
AUTHOR(S): Baens, Nicole P.; Compernolle, Frans; Toppet, Suzanne M.; Hoornaert, Georges J.
CORPORATE SOURCE: Lab. Org. Synth., K. U. Leuven, Leuven, B-3001, Belg.
SOURCE: Tetrahedron (1993), 49(15), 3193-202
CODEN: TETRAB; ISSN: 0040-4020
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 119:117066

AB Cis-5-(1,3-dihydro-2-oxo-2H-benzimidazol-1-yl)-2-p-fluorophenyl-1-methylpiperidine I R = H) and the analogous cis- and trans-1-benzylpiperidines II (R = Ph) were prepared Key steps in the synthesis were the α-chlorination of 1-methyl- and 1-benzyl-6-p-fluorophenyl-2-piperidinone, and nucleophilic substitution of the resulting cis and trans 3-chloro lactams. 1H NMR anal. for the epimeric 3,6-substituted lactam compds. revealed a preferred axial orientations for the 3-chloro substituent and an equatorial orientation for the 3-(oxobenzimidazolyl) group. For I, a conformational equilibrium was observed This was shifted to the [2ax,5eq] form for II (R = H).

IT 108-55-4, Glutaric anhydride
RL: RCT (Reactant); RACT (Reactant or reagent)
(Friedel-Crafts acylation by, of fluorobenzene)

RN 108-55-4 CAPLUS
CN 2H-Pyran-2,6(3H)-dione, dihydro- (9CI) (CA INDEX NAME)



IT 149437-76-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and esterification of)
RN 149437-76-3 CAPLUS
CN Benzenepentanoic acid, 4-fluoro-δ-oxo- (9CI) (CA INDEX NAME)